

DRY MATERIAL SAMPLER AND METHOD

Abstract of the Disclosure:

A sampling apparatus is characterized by a sampler for obtaining samples of a dry product from a vessel. The sampler has a bore with a forward opening in communication with the product in the vessel. A plunger of the sampler has an annular recess intermediate its ends, and is manually extended forward in the bore to project the recess through the bore forward opening and into the vessel to receive a product sample in the recess. The plunger is then manually retracted rearward from the vessel to convey the product sample in its recess to a sample collection point in the sampler bore. When the plunger recess is at the sample collection point, a length of open bore exists between the front of the plunger and the bore forward opening. So that product from the vessel does not enter the bore opening and accumulate in and block the bore in front of the plunger, after collection of the sample, the plunger is manually extended forward to a parked position. When in the parked position, the front of the plunger is close to and preferably at the bore forward opening to close the bore to entry of product from the vessel. The plunger is then locked in the parked position until another product sample is to be obtained.